

Amendments to th Claims:

This listing of claims replaces all prior versions and listings of the claims in the present patent application.

## Listing of Claims

1. (Currently Amended) A method for managing resources in a multiprocessor data processing system, said method comprising the steps of:

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sub B1 } defining to multiprocessors in said data processing system at least one ~~type of~~ resource, together with a quantity associated with that ~~type of~~ resource, said quantity being indicative of resource capacity, said ~~type of~~ resource having a level being selected from the group consisting of hardware level ~~resources~~, operating system level resources and application level resources;

determining whether an application level a user has requested use of said at least one resource;

determining availability among said multiple processors of said requested resource as to type and quantity; and

dispatching a user job which requests said resource upon the condition that said resource is available in the type and quantity requested.

2. (Currently Amended) The method of claim 1 in which said hardware level includes resources are selected from the group consisting of CPUs and random access memory.

3. (Currently Amended) The method of claim 1 in which said operating system level resource includes is virtual memory.

4. (Currently Amended) A method for providing a user with control of a data processing system having multiple processors, said method comprising the steps of:

analyzing user supplied command statements which provide access to resources having internal resource models, said resource models including, for each resource, a level type and a quantity description, wherein at least one resource model is defined consistently among said multiple processors across multiple data processing system levels, said level being selected from the group consisting of hardware level, operating system level and application level; and

interpreting said command statements so that user jobs are scheduled to run and to use resources specified by said command statements.